

**AMENDMENTS TO THE ABSTRACT OF THE DISCLOSURE:**

Please amend the abstract of the disclosure as follows:

~~The invention provides a~~ A heating apparatus (1) for the conductive heating of melts, in particular for the rapid melting-down, refining and/or conditioning of melts, is provided. The heating apparatus includes ~~which has improved cooling. For this purpose, the heating apparatus comprises~~ at least one electrode (3), as well as a first cooling system with a cooling power<sub>1</sub> which can be set and/or controlled variably.